

ANNUAL REPORT

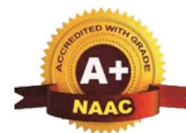
2020-21



METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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1) Professional Body Achievements

Summary

VALUE ADDED COURSES	3
SEMINARS/GUEST LECTURES ORGANIZED	4

1.1 Value Added Courses

S.NO	VALUE ADDED COURSE	ECE DEPT	NO OF STUDENTS	DATE/DURATION
1.	SDP BY TALENTIO SOLUTON INDIA PVT LTD	II YEAR ECE	116	JAN 21 ST TO TILL END OF THE SEM (DAILY @ 2 HRS)
2.	SDP BY TALENTIO SOLUTON INDIA PVT LTD	III YEAR ECE	149	JAN 21 ST TO TILL END OF THE SEM (DAILY @ 2 HRS)
3.	SDP BY TALENTIO SOLUTON INDIA PVT LTD	IV YEAR ECE	119	133 HRS [11 TH JAN TO 29 TH JAN 2021]

1.2 Seminars/Guest Lectures Organized

S.NO	TITLE	RESOUCE PERSON	CLASS	DATE	NO OF STUDENTS
1.	CLOUD COMPUTING	MR. DAVID GORIN	4 TH ; 6 TH ; 8 TH SEM	1 ST AUG 2020	155
2.	PROGRESSIVE WEB APP DEVELOPMENT	MR. SUMANTH CHINTAGUNTA	4 TH ; 6 TH ; 8 TH SEM	18 TH JULY 2020	415
3.	CAREER OPPORTUNITIES AFTER B. TECH	MR. RAMESH	4 TH ; 6 TH ; 8 TH SEM	18 TH MAY 2021	349
4.	IPR & PATENTING FOR BUDDING INVENTORS	DR. DINESH K ANVEKAR	4 TH ; 6 TH ; 8 TH SEM	31 ST MAY 2021	117

2) Faculty Achievements

Summary

S.NO	ACHIEVEMENTS	NUMBER OF FACULTY
1.	NPTEL OR ANY OTHER CERTIFICATES	0
2.	FDP ATTENDED	27
3.	WORKSHOPS ATTENDED	1

Publications

1. **John William Carey M**, "Risk Factor Analysis of Covid-19", International Journal of Current Research and Review, vol. 13, no. 02, pp. 47-50, January. 2021
2. **John William Carey M**, "Effect of Bright Light on EEG Ocular Artifacts", International Journal of Control and Automation, vol. 13, no. 02, pp. 74 - 80, Mar. 2020
3. **I.Srikanth, S.Arunmetha,**" High Level Synchronization and Computations of Feed Forward Cut-Set based Multiply Accumulate Unit", Journal of Physics: Conference Series, Volume 1804, International Conference of Modern Applications on Information and Communication Technology (ICMAICT) 22-23 October 2020, University of Babylon, Babylon-Hilla City, Iraq

Research Projects

1. Eye Blink Detection and Removal of Ocular artifacts in EEG acquisition
 - a. Designed the hardware circuit for proper acquisition using National Instruments myRIO

- b. Applying Advanced Signal Processing toolkit and Digital Signal Processing toolkit on acquired signal and recognizing and differentiating blinks and eye movements
 - c. Tested the device on different subjects at different lighting conditions
- 2. Fetal Growth Monitoring System for rural women
 - a. Designed the low-cost and precise Biomedical hardware circuit for acquiring Fetal ECG
 - b. Simulated the circuit using advanced tools like National Instruments Multisim
 - c. Added various parameters indicating growth of fetal growth
- 3. Eye Controlled Home Appliance System
 - a. Designed the hardware circuit for Acquiring Blink and targeting the Home Appliance
 - b. Triggering home appliance through line of sight
 - c. Tested the device controlling various home appliances at various distances
- 4. Eye Controlled Mouse for Computer (In Process)
 - a. Designing the hardware circuit for calibrating the mouse with eye
 - b. Literature study has been done at various levels
 - c. Need to develop drivers for controlling cursor on computer screen

2.1 FDP Attended

S. NO	NAME OF FACULTY	NAME OF FDP	ORGANIZED BY	DATE	DURATION	AY
1.	CH. SURESH	ADVANCES IN WIRELESS TECHNOLOGIES AN TELECOMMUNICATION	GEETANJALI COLLEGE OF ENGG. AND TECHNOLOGY, HYD	03-08-2020 TO 08-08-2020	6 DAYS	2020-21
2.	CH. SURESH	"5G TECHNOLOGIES WITH APPLICATIONS FOR IOT"	V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING, GUDIVADA	10-08-2020 TO 16-08-2020	7 DAYS	2020-21
3.	CH. SURESH	"ADVANCES IN WIRELESS TECHNOLOGIES AND TELECOMMUNICATION"	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY	17-08-2020 TO 22-08-2020	6 DAYS	2020-21
4.	CH. SURESH	ANTENNA DESIGN AND ANALYSIS USING MATHEMATICAL SOLVER	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI, A. P	07-09-2020 TO 12-09-2020	6 DAYS	2020-21
5.	C.BALA RANGA SWAMY	ARTIFICIAL INTELLIGENCE	VIGNANA BHARATI ENGINEERING COLLEGE	22-05-2020 TO 26-05-2020	5 DAYS	2020-21
6.	C.BALA RANGA SWAMY	CYBER SECURITY	BAPATLA ENGINEERING COLLEGE, BAPATLA	02-06-2020 TO 06-06-2020	5 DAYS	2020-21
7.	CH. SURESH	SCILAB-AN OPEN-SOURCE SUBSTITUTE FOR MATLAB	JNTUH COLLEGE OF ENGINEERING SULTANPUR	25-05-2020 TO 30-05-2020	6 DAYS	2020-21
8.	CH. SURESH	ARTIFICIAL INTELLIGENCE	CBIT, HYDERABAD	22-05-2020 TO 26-05-2020	5 DAYS	2020-21
9.	CH. SURESH	ANSYS OF ELECTRONICS & COMMUNICATION	INDUR INSTITUTE OF ENNG. & TECHNOLOGY, SIDDIPET	18-07-2020 TO 22-07-2020	5 DAYS	2020-21
10.	CH. SURESH	RECENT TRENDS IN ELECTRONICS AND COMMUNICATION	BALAJI INSTITUTE OF ENNGG. & TECHNOLOGY, NARSAMPET, WARANGAL	13-07-2020 TO 18-07-2020	6 DAYS	2020-21
11.	T. SRAVAN KUMAR	LATEST TECHNOLOGICAL DEVELOPMENTS IN ELECTRONICS AND COMMUNICATION ENGINEERING	KL UNIVERSITY, VIJAYAWADA	05-10-2020 TO 17-10-2020	2 WEEKS	2020-21
12.	T. SRAVAN KUMAR	NATIONAL LEVEL STTP ON "INTRODUCTION TO RADAR SIGNAL PROCESSING"	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS, ONGOLE, PRAKASHAM DIST.	01-07-2020 TO 18-07-2020	3 WEEKS	2020-21
13.	T. SRAVAN KUMAR	ELECTROMAGNETIC, MICROWAVE, RF & ANTENNA DESIGN USING ANSYS HFSS	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN, BHIMAVARAM, AP	27-07-2020 TO 01-08-2020	1 WEEK	2020-21
14.	T. SRAVAN KUMAR	ANTENNA AND MODERN WIRELESS SYSTEM	VIDYA VIHAR INSTITUTE OF TECHNOLOGY, PATNA	3-08-2020 TO 7-08-2020	1 WEEK	2020-21
15.	T. SRAVAN KUMAR	ANTENNA DESIGN AND ANALYSIS USING MATHEMATICAL SOLVER	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI, A. P	07-09-2020 TO 12-09-2020	1 WEEK	2020-21
16.	T MAHARSHI SANAND YADAV	ICT TOOL IN EDUCATION USING MOODLE	PACE INSTITUTE OF TECHNOLOGY AND SCIENCE, ONGOLE.	22-05-2020 TO 26-05-2020	1 WEEK	2020-21
17.	T MAHARSHI SANAND YADAV	SCI LAB – AN OPEN-SOURCE SUBSTITUTE FOR MATLAB	JNTUH COLLEGE OF ENGINEERING	25-05-2020 TO 30-05-2020	1 WEEK	2020-21
18.	D.SURESH	RESEARCH TOPICS IN VLSI AND INDUSTRY TRENDS	GMR INSTITUTE OF TECHNOLOGY, RAJAM, AP	29TH TO 31ST MAY 2020	3 DAYS	2020-21
19.	D.SURESH	ARTIFICIAL INTELLIGENCE	NATIONAL YOUTH COUNCIL OF INDIA AND BRAIN VISION SOLUTIONS INDIA PVT LTD	22ND TO 26TH MAY 2020	5 DAYS	2020-21
20.	I.POORNA CHANDER	RESEARCH TOPICS IN VLSI AND INDUSTRY TRENDS	GMR INSTITUTE OF TECHNOLOGY, RAJAM, AP	29TH TO 31ST MAY 2020	3 DAYS	2020-21
21.	K. NEERAJA	ARTIFICIAL INTELLIGENCE	CBIT, HYDERABAD	22-05-2020 TO 26-05-2020	5 DAYS	2020-21

22.	K. NEERAJA	RESEARCH TOPICS IN VLSI AND INDUSTRY TRENDS	GMR INSTITUTE OF TECHNOLOGY, RAJAM, AP	29TH TO 31ST MAY 2020	3 DAYS	2020-21
23.	K. NEERAJA	DIGITAL MIND MAPPING FOR ONLINE TEACHING & LEARNING & G-TOOLS	VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN	2.09.2020 TO 06.09.2020	5 DAYS	2020-21
24.	K. NEERAJA	RECENT TRENDS AND FUTURE APPLICATIONS IN ELECTRONICS AND COMMUNICATION TECHNOLOGIES	MLR INSTITUTE OF TECHNOLOGY	29.05.2020 TO 02.06.2020	5 DAYS	2020-21
25.	I.SRIKANTH	SCI LAB – AN OPEN-SOURCE SUBSTITUTE FOR MATLAB	JNTUH COLLEGE OF ENGINEERING SULTANPUR	25-05-2020 TO 30-05-2020	1 WEEK	2020-21
26.	I.SRIKANTH	SYSTEM DESIGN METHODOLOGIES FOR EMBEDDED, IOT, AI, & HPC USING INTEL FPGA	E&ICT, IIT G	19-30 APRIL 2021	2 WEEKS	2020-21
27.	I.SRIKANTH	MEMS BASED SENSORS AND ACTUATORS FOR BIOMEDICAL APPLICATIONS	DEPARTMENT OF ECE, KLEF VIJAYAWADA	2-7 NOV-2021	1 WEEK	2020_21

2.2 Workshops Attended

S.NO	NAMES	WORKSHOP	DATES	PLACE
1.	T. SRAVAN KUMAR	TWO DAY NATIONAL LEVEL ONLINE WORKSHOP ON "LEARNING MANAGEMENT SYSTEM"	08-07-2020 TO 09-07-2020	HYDERABAD

3) Student Achievements

Summary

EXTRA CURRICULAR	PRIZES WON	3
	PARTICIPATED	12

3.1 SEMINARS/CONFERENCES ATTENDED BY THE STUDENTS

S.NO	STUDENT NAMES	CLASS	ACTIVITY	DATE	PLACE
1.	Mallam Gurudeep	5 th Sem	Paper Presentation	26 th & 27 th Dec 2020	MVSR Engineering College
2.	N.P. Viraja	6 th Sem	One Minute Video Making [World Environment Day]	5 th June 2020	Vasavi College of Engineering
3.	N.P. Viraja	6 th Sem	Tick Talk Video Making	27 th April 2020	St. Ann's Degree College
4.	Pabba Praneetha	5 th Sem	Development of Miniaturized Sensors for Diverse Applications	23 rd July 2020	BITS Pilani, Hyderabad
5.	M.Madhavi	5 th Sem	Ethical Hacking and Cyber Security	31 st Jan & 1 st Feb 2020	Osmania University, Hyderabad
6.	M.Madhavi	5 th Sem	CSI National Level technical symposium	12 th & 13 th Feb 2020	MVSR Engineering College
7.	M.Madhavi	5 th Sem	Arduino Workshops	29 th & 30 th Jan 2020, 19 th & 20 th July 2019	Methodist College of Engineering and Technology
8.	M. S. V. Sai Praneeth	5 th Sem	Arduino Workshop	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
9.	M. S. V. Sai Praneeth	5 th Sem	Webinar on progressive web application development	18 th July 2020	Methodist college of Engineering and Technology
10.	V. Akash Goud	5 th Sem	Arduino workshop	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
11.	Mallam Gurudeep	5 th Sem	Workshop on Artificial intelligence	06 th June 2020	NIT, Andhra Pradesh
12.	Mallam Gurudeep	5 th Sem	Arduino Workshop (Organizer cum volunteer)	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
13.	P. sanju vardhan	5 th Sem	Arduino Workshop (Organizer cum volunteer)	29 th & 30 th Jan 2020	Methodist college of Engineering and Technology
14.	Jyothika Verma	5 th Sem	Arduino Workshop (Volunteer)	29 th & 30 th Jan 2020	Methodist College of Engineering and Technology
15.	Jyothika Verma	5 th Sem	Cloud Computing Webinar	1 st august 2020	Methodist College of Engineering and Technology

4) Campus Placements

S.NO	NAME	ROLL NO	ORGANIZATION PLACED IN	SALARY OFFERED
1.	R. NAVYA	160716735075	HCL	3 LPA
2.	NEEHARIKA KATHROJU	160716735093	HCL	3 LPA
3.	CHETAN SOMANA	160717733112	TCS	3.36 LPA
4.	CHETAN SOMANA	160717733112	AFFLUENCE SYSTEMS	4.2 LPA
5.	NALIMELA AVANTHIKA	160717735002	HCL	3 LPA
6.	N.P VIRAJA	160717735003	HCL	3 LPA
7.	M. DEEPAK REDDY	160717735005	TCS	3.36 LPA
8.	T. KRISHNA PRIYA	160717735007	TCS	3.36 LPA
9.	SAI TEJA MANDAPURAM	160717735008	HCL	3 LPA
10.	NARSAMPALLY JAYAKAR	160717735009	HCL	3 LPA
11.	BEKKARI ANKITHA	160717735013	HCL	3 LPA
12.	V SUSHMA	160717735023	HCL	3 LPA
13.	A. GAUTHAM	160717735026	HCL	3 LPA
14.	A. GAUTHAM	160717735026	NTT DATA	3.6 LPA
15.	D.VENKATA SAI RAM	160717735031	HCL	3 LPA
16.	G MEGHNA	160717735034	HCL	3 LPA
17.	V UDAY KUMAR	160717735041	HCL	3 LPA
18.	PRIYANKA BURLE	160717735042	HCL	3 LPA
19.	AYESHA MAHEEN	160717735044	HCL	3 LPA
20.	CH. PAVITHRA	160717735062	TCS	3.36 LPA
21.	K. PRASANNA	160717735065	TCS	3.36 LPA
22.	MEHDI TELEGRAPHY	160717735066	HCL	3 LPA
23.	GOURSSETTY SAGAR	160717735068	HCL	3 LPA
24.	DIVYA GUNNA	160717735071	HCL	3 LPA
25.	DIVYA GUNNA	160717735071	WIPRO	3.6 LPA
26.	A. SHARATH REDDY	160717735074	NTT DATA	3.6 LPA
27.	SANDEEP SIDHANTHI	160717735075	HCL	3 LPA
28.	RATAN VIKRAM	160717735077	HCL	3 LPA
29.	RATAN VIKRAM	160717735077	TCS	3.36 LPA
30.	SUNIL KUMAR SARSWA	160717735078	HCL	3 LPA
31.	SUNIL KUMAR SARSWA	160717735078	INFOSYS	3.6 LPA
32.	VALLABADAS KEERTHI	160717735080	HCL	3 LPA
33.	MOHAMMED RUWAYD MOHIUDDIN	160717735081	HCL	3 LPA
34.	BIRRE KALYANI	160717735084	HCL	3 LPA
35.	KASULA RITIKA	160717735090	HCL	3 LPA
36.	MANASWINI GOSKE	160717735093	HCL	3 LPA
37.	DHADALA ROHITH KUMAR	160717735094	HCL	3 LPA
38.	ROHITH	160717735094	WIPRO	3.6 LPA
39.	YABALURU GOUTHAM SRI PHANI DATTA	160717735100	HCL	3 LPA
40.	T MOUNIKA VEERA NARAYANAMMA	160717735102	HCL	3 LPA
41.	M. SOUMYA	160717735106	HCL	3 LPA
42.	MANSI DESHPANDE	160717735115	HCL	3 LPA
43.	MANSI DESHPANDE	160717735115	WIPRO	3.6 LPA
44.	BETHI PRANATHI	160717735302	WIPRO	3.6 LPA
45.	PABBA SRINIVAS	160717735314	TCS	3.36 LPA
46.	PORANDLA PRANAY	160717735320	HCL	3 LPA
47.	S POORNA SAI	160717735322	HCL	3 LPA

5) Academic Achievements

5.1 CLASS TOPPERS (OU EXAMS):

S.NO	NAME	CLASS	ROLL NO	PERCENTAGE/SGPA
1.	M.SRUTHI	VIII	160717735104	8.7
2.	M.DEEPAK REDDY	VIII	160717735005	8.41

HEAD OF THE DEPARTMENT
Dr. N.H. SHOBA REDDY

